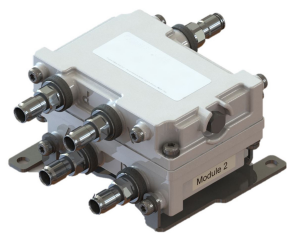


# UDX1926T-N10 | E11F03P80



Ultra Compact Twin Diplexer PCS/AWS+WCS+BRS, DC on AWS/WCS /BRS, NEX10 Connectors

- Twin configuration
- Ideal for small cell applications
- BTS-to-feeder and feeder-to-antenna application
- DC/AISG pass on 1695-1780/2110-2700 MHz
- Industry leading PIM performance
- Full performance in a fraction of the size

## Product Classification

**Product Type** Diplexer

## General Specifications

**Color** Gray

**Common Port Label** COM

**Modularity** 2-Twin

**RF Connector Interface** NEX10 Female

**RF Connector Interface Body Style** Long neck

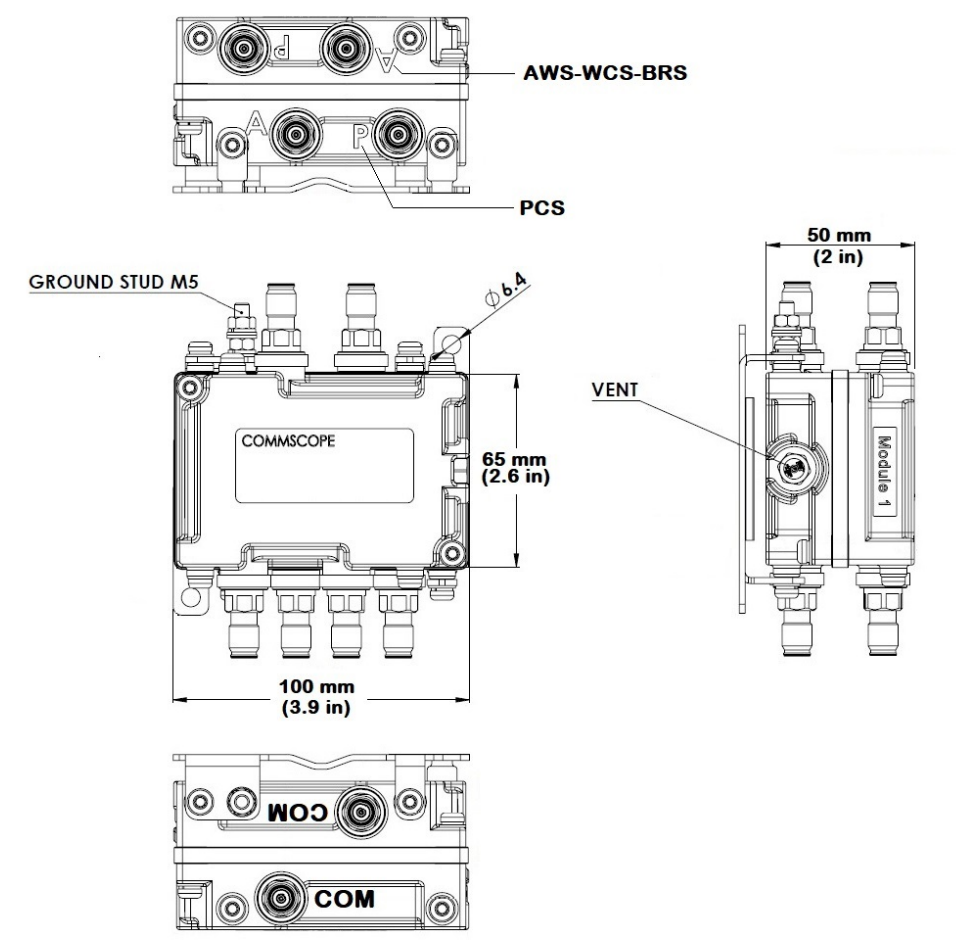
## Dimensions

**Height** 65 mm | 2.559 in

**Width** 100 mm | 3.937 in

**Depth** 50 mm | 1.969 in

## Outline Drawing



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700   AWS 2000   PCS 1900   TDD 1900   TDD 2300   TDD 2600   WCS 2300

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Factory set
dc/AISG Pass-through Path	Branch 2
dc/AISG Pass-through, combiner	Branch 2
dc/AISG Pass-through, demultiplexer	Branch 2
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

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**Voltage** 10–30 Vdc

## Electrical Specifications, AISG

**AISG Carrier** 2.176 MHz ± 100 ppm

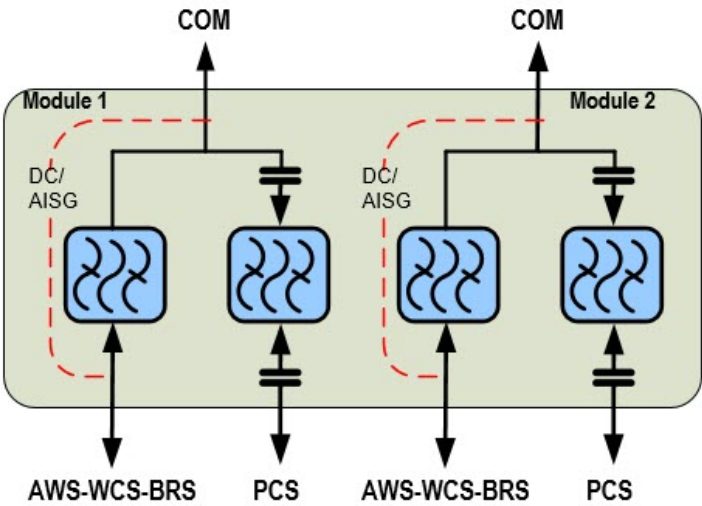
## Electrical Specifications

Sub-module	1   2	1   2
Branch	1	2
Port Designation	PCS	AWS-WCS-BRS
License Band	PCS 1900, Band Pass	AWS 1700, Band Pass WCS 2300, Band Pass

## Electrical Specifications, Band Pass

Frequency Range, MHz	1850–1995	1695–1780 2110–2700
Insertion Loss, typical, dB	0.25	0.2
Total Group Delay, maximum, ns	13	8
Return Loss, minimum, dB	20	20
Isolation, minimum, dB	35	35
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1500	1500
3rd Order PIM, maximum, dBc	-155	-155
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

## Block Diagram



Material Specifications

Finish

Painted

Mechanical Specifications

Wind Loading @ Velocity, frontal

7.0 N @ 150 km/h (1.6 lbf @ 150 km/h)

Wind Loading @ Velocity, lateral

2.0 N @ 150 km/h (0.4 lbf @ 150 km/h)

Environmental Specifications

Operating Temperature

-40 °C to +65 °C (-40 °F to +149 °F)

Relative Humidity

Up to 100%

Ingress Protection Test Method

IEC 60529:2001, IP67

Packaging and Weights

Included

Mounting hardware

Mounting Hardware Weight

0.1 kg | 0.22 lb

Volume

0.325 L

Weight, without mounting hardware

0.7 kg | 1.543 lb